

## Year 12 Chemistry EDN Learning Programme 2

<p>The LORIC skill focus for his LP is: ORGANISATION The Moral Virtues focus for this LP are: COMPASSION and HONESTY Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others. Honesty - the quality of being truthful.</p> <p><b>What will I be learning about in this Learning Programme?</b> Shapes of molecules, intermolecular forces and the periodic table.</p> <p><b>Where have I seen this learning before?</b> GCSE chemistry when studying different types of bonding and trends across the periodic table.</p> <p><b>What could I use it for?</b> Organic chemistry, interactions of different molecules, pharmacology.</p>		<p><b>Literacy:</b></p> <ul style="list-style-type: none"> <li>Capital letters must be used at the start of sentences and for the first letter of proper nouns</li> <li>Full stops must be used at the end of a sentence</li> <li>Question marks must be used at the end of a question</li> <li>Apostrophes should only be used for possession or omission</li> <li>Days of the week and months must be spelled correctly</li> <li>Key words must be spelled correctly</li> </ul>
<p><b>In LP2.1, I will know:</b> 21/10/24 - (WK 2)</p> <p>how to determine and measure electronegativity values of different molecules: how to predict if a bond is polar or non polar.</p>	<p><b>Key Vocabulary</b></p> <p>Electronegativity</p>	<p><b>Homework</b></p> <p>PPQ on electronegativity</p>
<p><b>In LP2.2, I will know:</b> 04/11/24 - (WK 1)</p> <p>how to determine the intermolecular forces found within a range of molecules: how to explain hydrogen bonding within a molecule.</p>	<p><b>Key Vocabulary</b></p> <p>Dipole</p>	<p><b>Homework</b></p> <p>PPQ on intermolecular forces and hydrogen bonding</p>
<p><b>LP2 RLW, I will:</b> 11/11/24 - (WK 2)</p> <p>review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.</p>		
<p><b>In LP2.3, I will know:</b> 18/11/24 - (WK 1)</p> <p>how to predict trends in periodicity within the periodic table: how to predict ionisation energies and successive ionisation energies across the periodic table.</p> <p>Extended Task.</p>	<p><b>Key Vocabulary</b></p> <p>Ionisation energy</p>	<p><b>Homework</b></p> <p>PPQ on ionisation energies</p>
<p><b>In LP2.4, I will know:</b> 25/11/24 - (WK 2)</p> <p>how to link ionisation energies to periodic trends within the periodic table; how to complete a summative assessment.</p>	<p><b>Key Vocabulary</b></p> <p>Periodicity</p>	<p><b>Homework</b></p> <p>Revision PPQs on LP topics</p>
<p><b>In LP2.5, I will know:</b> 02/12/24 - (WK 1)</p> <p>how to link bonding within molecules to periodic trends within the periodic table; how to explain periodic trends within the periodic table.</p>	<p><b>Key Vocabulary</b></p> <p>Trend</p>	<p><b>Homework</b></p> <p>PPQ on periodic table trends</p>
<p><b>In LP2.6, I will know:</b> 09/12/24 - (WK 2)</p> <p>how to explain chemical and physical properties of group 2 elements; how to predict the products of reactions of group 2 compounds.</p> <p>Extended Task.</p>	<p><b>Key Vocabulary</b></p> <p>Element</p>	<p><b>Homework</b></p> <p>PPQ on group 2</p>
<p><b>In LP2.7, I will know:</b> 16/12/24 - (WK 1)</p> <p>how to explain the trend in reactivity of group 7 halogens; PAG 4: qualitative analysis of ions</p>	<p><b>Key Vocabulary</b></p> <p>Ion</p>	<p><b>Homework</b></p> <p>PAG write up</p>
<p><b>Resources to support learning:</b> OCR A level Chemistry text book, MaChem Guy.</p>		
<p><b>FEET Award Challenge for this Learning Programme:</b> Complete a set of past papers from module one.</p>		

PRT Task 1

PRT Task 2